

Curriculum Vitae Prof. Marco T. Medina

Name

Marco T. Medina, Chevalier, FAAN

Position title

Professor of Neurology and Epilepsy
Former Dean, Faculty of Medical Sciences
National Autonomous University of Honduras

Director, WHO Collaborating Centre for Research
and Community Intervention in Epilepsy, HON01

Education

INSTITUTION AND LOCATION	DEGREE	PERIOD	FIELD OF STUDY
National Autonomous University of Honduras (UNAH)	M.D.	1978- 1985	Medicine
Institute of Neurology and Neurosurgery of Mexico	Specialization	1987-1990	Neurology
University of Aix-Marseilles, France	Subspecialization	1990-1991	Childhood and Adult Clinical Neurophysiology
University of California, Los Angeles (UCLA), USA	Post-Doctoral	1991-1993	Childhood and Adult Epileptology
University College London (UCL), UK	MPhil	2016	Neuroscience

Personal Statement

I am epileptologist and professor in Neurology and Epileptology since 1993, former Dean at the National Autonomous University of Honduras (UNAH) and Director of the WHO Collaborating Centre for Research and Community Intervention in Epilepsy. I have had a multi-disciplinary and multi-cultural professional education in three continents (Latin America, Europe and North America), on neurology, tropical neurology/ public health, pediatric and adult epileptology, clinical neurophysiology and genetics. During the last 20 years I have worked on a successful community intervention program in Honduras, reducing preventable causes of epilepsies and treatment gap. With the support of UCLA we established in 1992 a Genetic research Consortium (GENESS) describing several epilepsy genes and worked with UCLA and Centre Saint Paul, Marseille on the Epilepsy Syndromes. I founded the UNAH Honduras Neurology Training Program with the WFN Support. I have worked as the WFN Regional Director and co-founded the Pan-American Federation of Neurological Societies (PAFNS). I am member of the PAHO Plan of Action on Epilepsy task force. I was the founding President of the ILAE chapter in Honduras and the ILAE Latin America Academy of Epilepsy (ALADE) and a member of Editorial Board of Epilepsia Open. I have received numerous awards including the ILAE/ IBE Epilepsy Ambassador and the Chevalier de la Legion d'Honneur for my academical work on behalf of people with epilepsy.

Positions and Honors

Positions

1993-	Professor of Neurology and Epilepsy, National Autonomous University of Honduras
2010-2018	Dean, School of Medical Sciences, National Autonomous University of Honduras
2016-	Director, WHO/PAHO Collaborating Centre for Research and community intervention in Epilepsy
2012-	Regional Director for Latin America, World Federation of Neurology and PAFNS President
2013-2017	Chairman, Commission on Latin American Affairs, International League Against Epilepsy
2009-2013	3 rd Vice-President International League Against Epilepsy
1998-2010	Director, Neurology Training Program, National Autonomous University
2006-2009	Chairman, Commission on Latin American Affairs, International League Against Epilepsy

Honors

2019	Epilepsy Ambassador, ILAE/IBE
2018	Chevalier de la Legion d'Honneur, France
2017	Medal, French Senate, Paris, France
2014	Fellow of the American Academy of Neurology (FAAN), elected in 2014.
2013	National Prize of Science "José Cecilio del Valle", Tegucigalpa, Honduras
2008	Decoration by the Government of Honduras "Jose Cecilo del Valle"
2006-2009	Ad -hoc Member, Fogarty International Brain Disorders Study group, NIH Bethesda, USA.
2009-2014	Ad-hoc member, WHO International Advisory Group for the Revision of ICD-10 CNS

Selected Publications (Books, chapters and per reviewed papers from more than 150):

1. Kestel D, Acevedo C, **Medina MT**, Mesa T, Rodriguez J, Eds. Epilepsy in Latin America. PAHO, Washington, 2016.
 2. **Medina MT**, Ed. Neurological Consequences of Malnutrition. WFN Seminars in Clinical Neurology. Demos, New York. 2008.
 3. Delgado Escueta AV, Guerrini R, **Medina MT**, Dravet C, Genton P, Bureau M, Eds. Myoclonic Epilepsies, Advances of Neurology, vol. 95, Lippincott , Williams and Wilkins, Philadelphia, 2004.
 4. **Medina MT**, Chaves Sell F, Chinchilla N, Gracia F. Eds. Las Epilepsias en Centroamérica. Editorial. Scancolor, Tegucigalpa, Honduras, 2001.
 5. **Medina MT**, Genton P, Bureau M, et al. Absences Epilepsies. In Epileptic syndromes of childhood and adolescence. Bureau M, Genton P, Dravet C et al, Eds. John Libbey, Paris 2019:pp.285-320.
 6. Genton P, Thomas P, Gelisse, Serafini A, **Medina MT**, Yacubian EM. Juvenile Myoclonic Epilepsy In Epileptic syndromes of childhood and adolescence. Bureau M, Genton P, Dravet C et al, Eds. John Libbey, Paris 2019: pp. 329-356.
 7. Acevedo CS, Mesa TL, Caraballo R, **Medina MT**. Strategy and Plan of Action for Epilepsy 2018. Epilepsy Behav. 2019 Jul;96:234-236.
 8. Bailey JN, de Nijs L, Bai D, Suzuki T, Miyamoto H, Tanaka M, Patterson C, Lin YC, **Medina MT**, et al. Variant Intestinal-Cell Kinase in Juvenile Myoclonic Epilepsy. N Engl J Med. 2018 Mar 15;378(11):1018-1028.
 9. Jette N, Beghi E, Hesdorffer D, Moshé SL, Zuberi SM, **Medina MT**, Bergen D. ICD coding for epilepsy: past, present, and future--a report by the International League Against Epilepsy Task Force on ICD codes in epilepsy. Epilepsia. 2015Mar;56(3):348-55.
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10. Kasteleijn-Nolst Trenité DG, Schmitz B, Janz D, Delgado-Escueta AV, Thomas P, Hirsch E, Lerche H, Camfield C, Baykan B, Feucht M, Martínez-Juárez IE, Duron RM, **Medina MT**, Rubboli G, Jerney J, et al. Consensus on diagnosis and management of JME: From founder's observations to current trends. *Epilepsy Behav.* 2013 Jul;28 Suppl 1:S87-90.
11. Genton P, Thomas P, Kasteleijn-Nolst Trenité DG, **Medina MT**, Salas-Puig J. Clinical aspects of juvenile myoclonic epilepsy. *Epilepsy Behav.* 2013 Jul;28 Suppl 1:S8-14.
12. Bergen DC, Beghi E, **Medina MT**. Revising the ICD-10 codes for epilepsy and seizures. *Epilepsia.* 2012 Jul;53 Suppl 2:3-5.
13. Thurman DJ, Beghi E, Begley CE, Berg AT, Buchhalter JR, Ding D, Hesdorffer DC, Hauser WA, Kazis L, Kobau R, Kroner B, Labiner D, Liow K, Logroscino G, **Medina MT**, Newton CR, et al. ILAE Commission on Epidemiology. Standards for epidemiologic studies and surveillance of epilepsy. *Epilepsia.* 2011 Sep;52 Suppl 7:2-26.
14. **Medina MT**, Aguilar-Estrada R, Alvarez A, Duron, RM, Martinez L, et al Reduction in Rate Epilepsy from Neurocysticercosis by Community Interventions: The Salamá, Honduras Study. *Epilepsia.* 2011 Jun;52(6):1177-85.
15. **Medina MT**, Munsat T. Neurology education in Latin America and the World Federation of Neurology. *J Neurol Sci.* 2010 15;298(1-2):17-2.
16. Tanaka M, Olsen RW, **Medina MT**, Schwartz E et al. Hyperglycosylation and reduced GABA currents of mutated GABRB3 polypeptide in remitting childhood absence epilepsy. *Am J Hum Genet.* 2008 Jun;82(6):1249-61
17. **Medina MT**, Suzuki T, Alonso ME, Durón RM et al. Novel mutations in Myoclonin1/EFHC1 in sporadic and familial juvenile myoclonic epilepsy. *Neurology.* 2008 May 27;70(22 Pt 2):2137-4
18. Lavados PM, Hennis AJ, Fernandes JG, **Medina MT**, Legetic B, Hoppe A, Sacks C, Jadue L, Salinas R. Stroke epidemiology, prevention, and management strategies at a regional level: Latin America and the Caribbean. *Lancet Neurol.* 2007 Apr;6(4):362-72.
19. **Medina MT**, Munsat T, Portera-Sánchez A, Durón RM, Becker CA, Holden KR; WFN Education Committee. Developing a neurology training program in Honduras: a joint project of neurologists in Honduras and the World Federation of Neurology. *J Neurol Sci.* 2007 Feb 15;253(1-2):7-17
20. Martínez-Juárez IE, Alonso ME, **Medina MT**, Durón RM, Bailey JN, López-Ruiz M, Ramos-Ramírez R, León L, Pineda G, Castroviejo IP, Silva R, Mija L, Perez-Gosiengfiao K, Machado-Salas J, Delgado-Escueta AV. Juvenile myoclonic epilepsy subsyndromes: family studies and long-term follow-up. *Brain.* 2006 May;129(Pt 5):1269-80.
21. **Medina MT**, Durón RM, Martínez L, Osorio JR, Estrada AL, Zúniga C, Cartagena D, Collins JS, Holden KR. Prevalence, incidence, and etiology of epilepsies in rural Honduras: the Salamá Study. *Epilepsia.* 2005 Jan;46(1):124-31.
22. **Medina MT**, Martínez-Juárez IE, Durón RM, Genton P, Guerrini R, Dravet C, Bureau M, Perez-Gosiengfiao KT, Amador C, Bailey JN, Chaves-Sell F, Delgado-Escueta AV. Treatment of myoclonic epilepsies of childhood, adolescence, and adulthood. *Adv Neurol.* 2005;95:307-23.
23. Suzuki T, Delgado-Escueta AV, Aguan K, Alonso ME, Shi J, Hara Y, Nishida M, Numata T, **Medina MT**, Takeuchi T, Morita R, Bai D, Ganesh S, Sugimoto Y, Inazawa J, Bailey JN, Ochoa A, Jara-Prado A, Rasmussen A, Ramos-Peek J, Cordova S, Rubio-Donnadieu F, Inoue Y, Osawa M, Kaneko S, Oguni H, Mori Y, Yamakawa K. Mutations in EFHC1 cause juvenile myoclonic epilepsy. *Nat Genet.* 2004 Aug;36(8):842-9

PATENT

US Patent 9,220,697 B2 on Compositions and Methods for diagnosis and treatment of epilepsy
